



#24
PA 3/6/03

03500.012127.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
HIROTO OKAWARA) : Examiner: L. Nguyen
Application No.: 08/877,728) : Group Art Unit: 2612
Filed: June 18, 1997) :
For: IMAGE PICKUP APPARATUS) March 3, 2003
: (Monday)

Commissioner for Patents
Box AF
Washington, D.C. 20231

REQUEST FOR APPROVAL TO AMEND THE DRAWINGS

Sir:

Submitted herewith in accordance with PTO practice are duplicate copies of the drawings including proposed amendments shown in red ink.

Please amend the drawings, as follows:

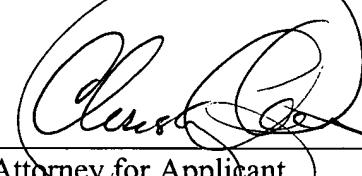
*Approved
6/4/03
LN*

In Figs. 1 to 5, 12, 13, 14A and 14 B, add label - - PRIOR ART - -.

Favorable consideration and entry of the proposed drawing amendments respectfully are requested.

Applicant's attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



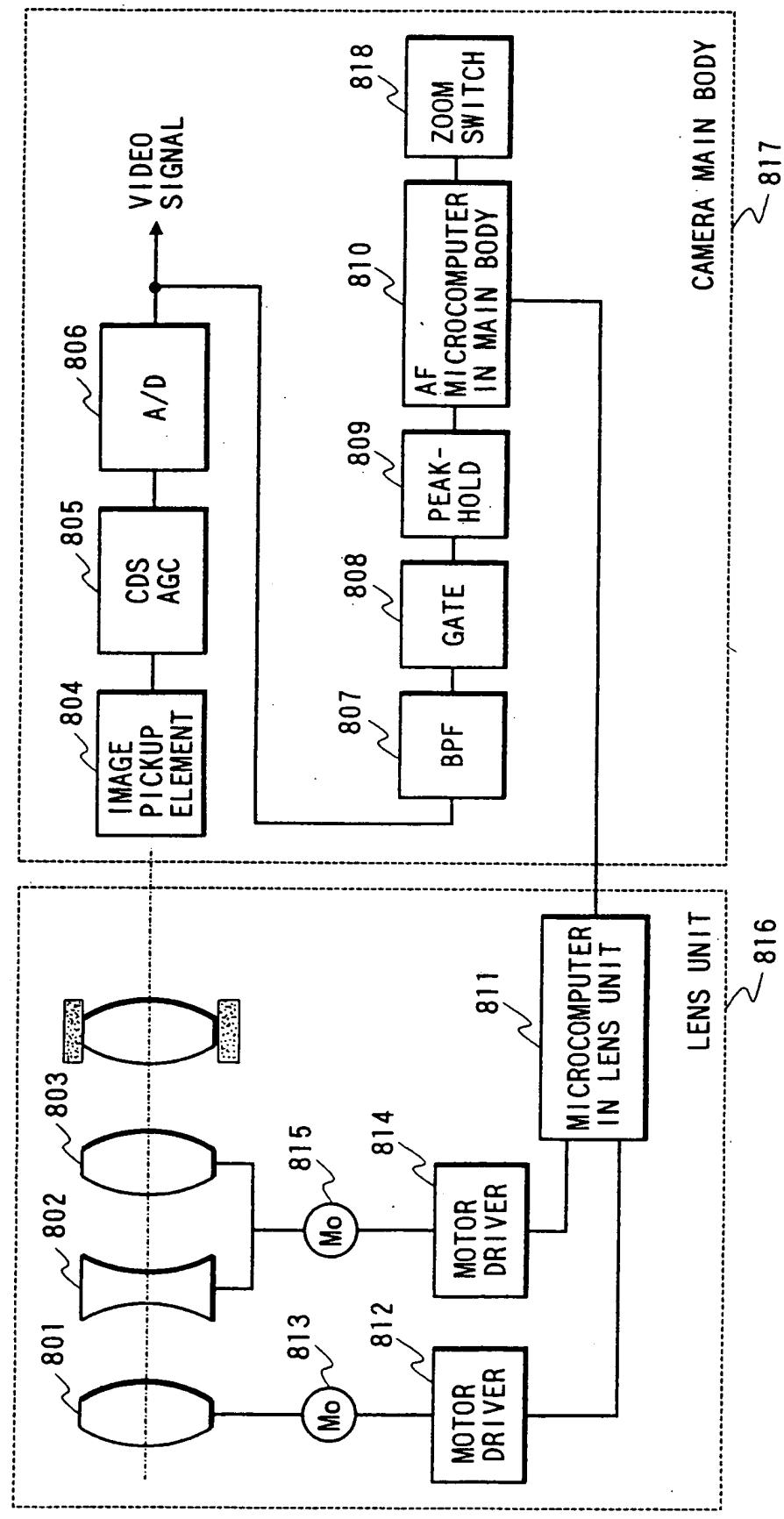
Attorney for Applicant
Christopher Philip Wrist
Registration No. 32,078

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New York, New York 10112-3801
Facsimile: (212) 218-2200

CPW\dc

DC_MAIN 125347 v1

DC_MAIN 125347 v 1

FIG. 1 *Pecole Art*



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FIG. 2 prior art

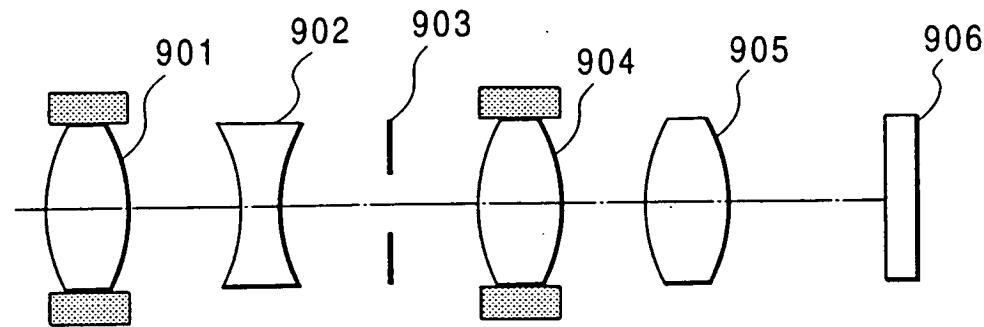
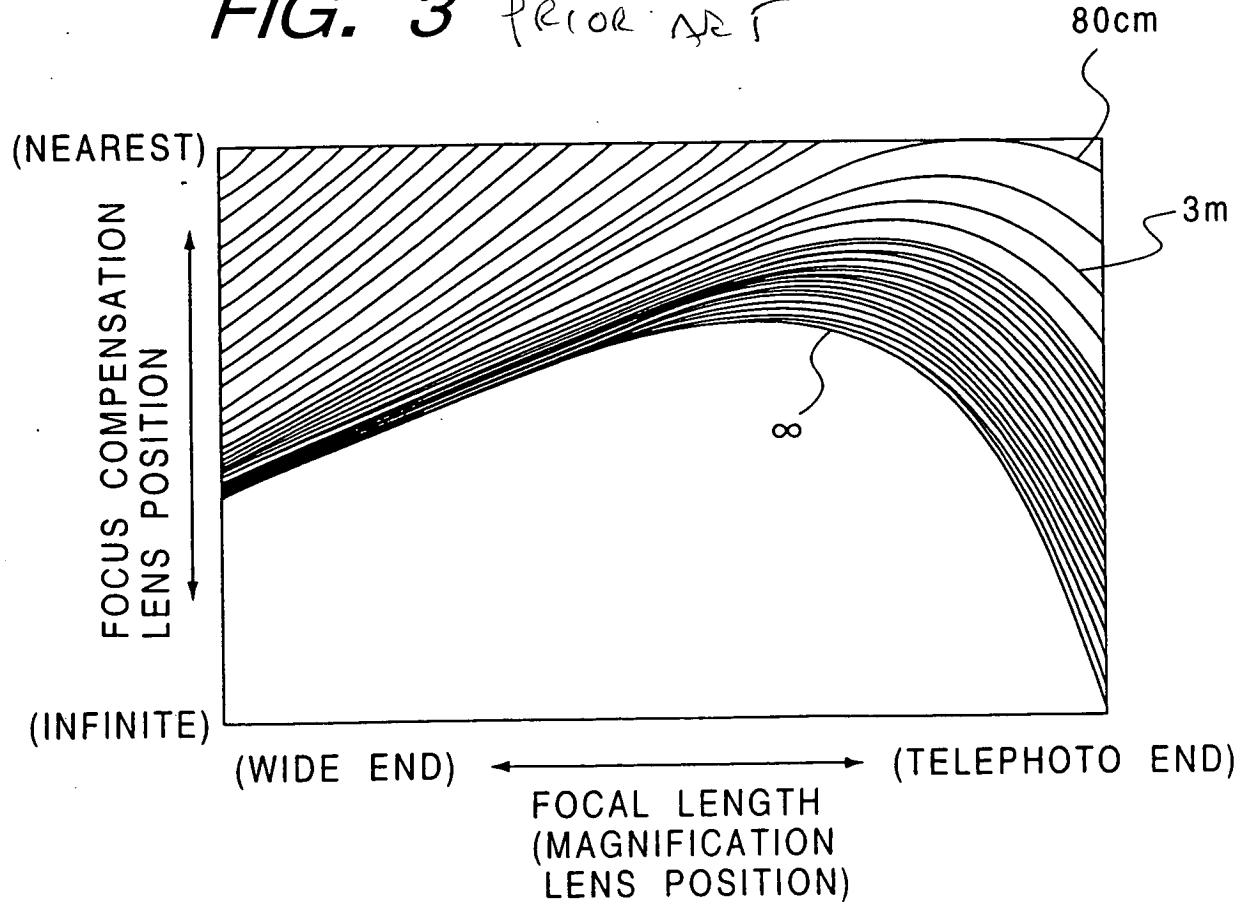


FIG. 3 prior art





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FIG. 4

PRC0R AR†

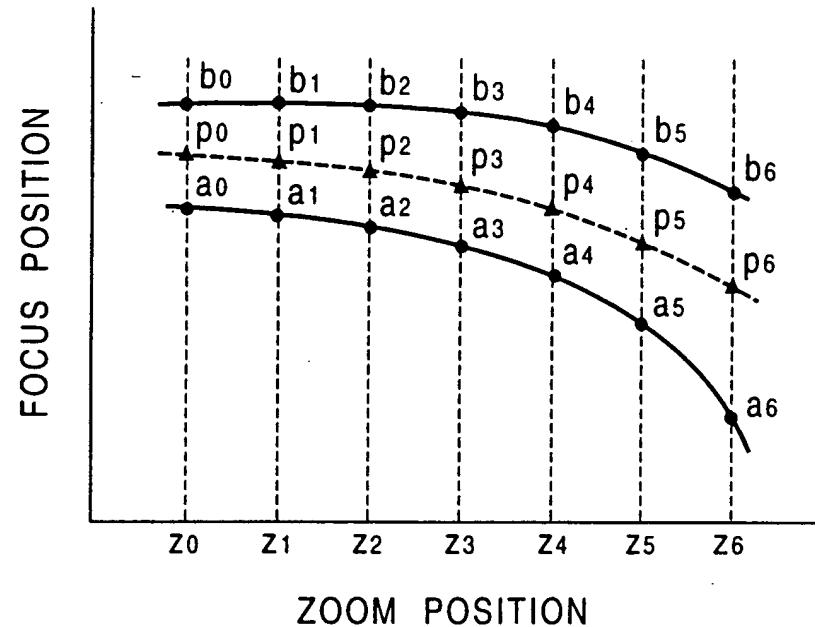
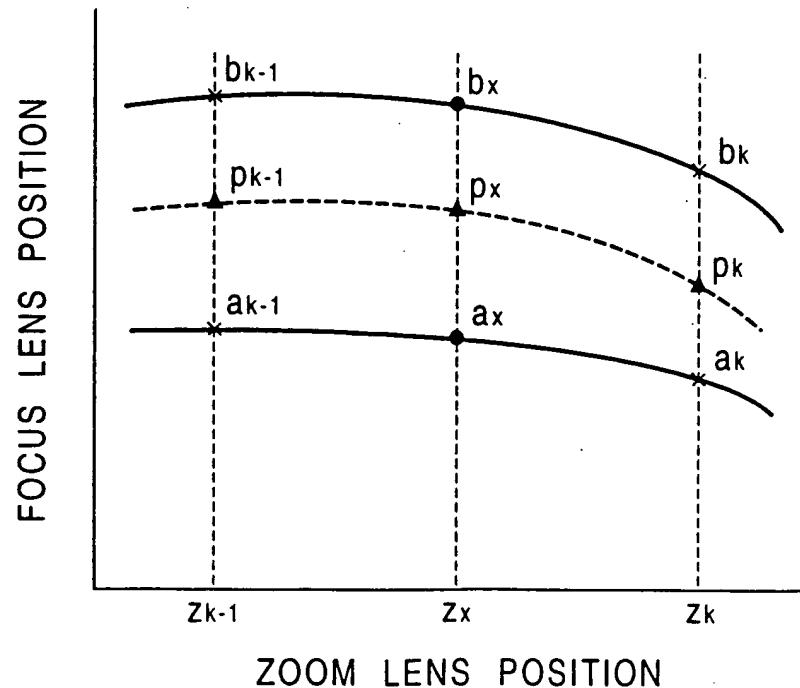


FIG. 5

PRC0R AR†



$$a_x = a_k - \frac{(z_k - z_{k-1})(a_k - a_{k-1})}{(z_k - z_{k-1})}$$

$$b_x = b_k - \frac{(z_k - z_x)(b_k - b_{k-1})}{(z_k - z_{k-1})}$$



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FIG. 12 PRECOR ART

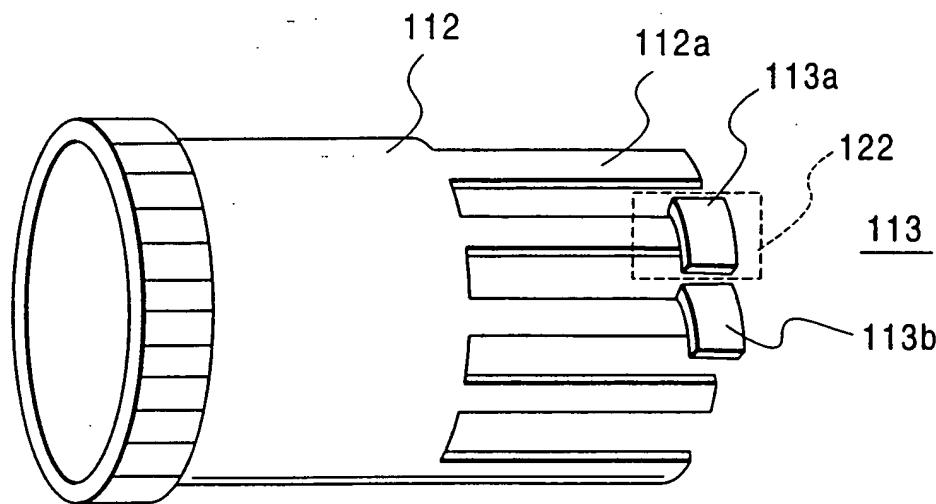
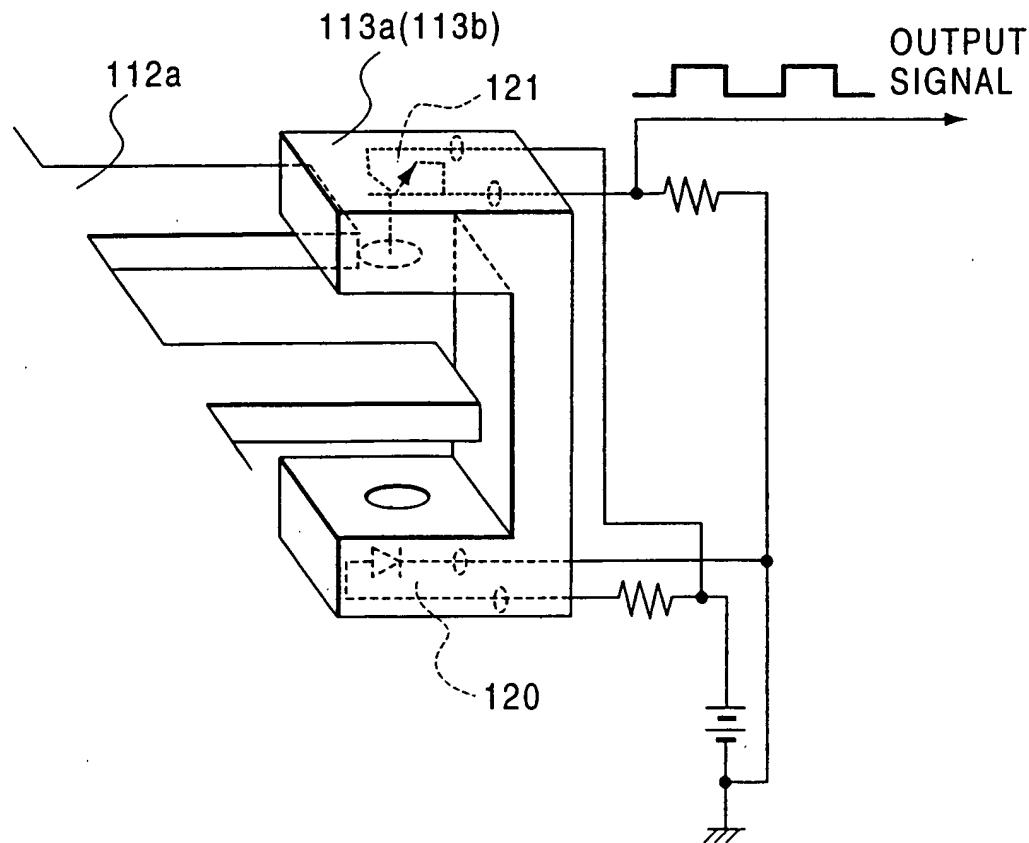


FIG. 13 PRECOR ART





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TIME REQUIRED TO MOVE 112a
BY ONE GEAR TOOTH (HALF PERIOD)

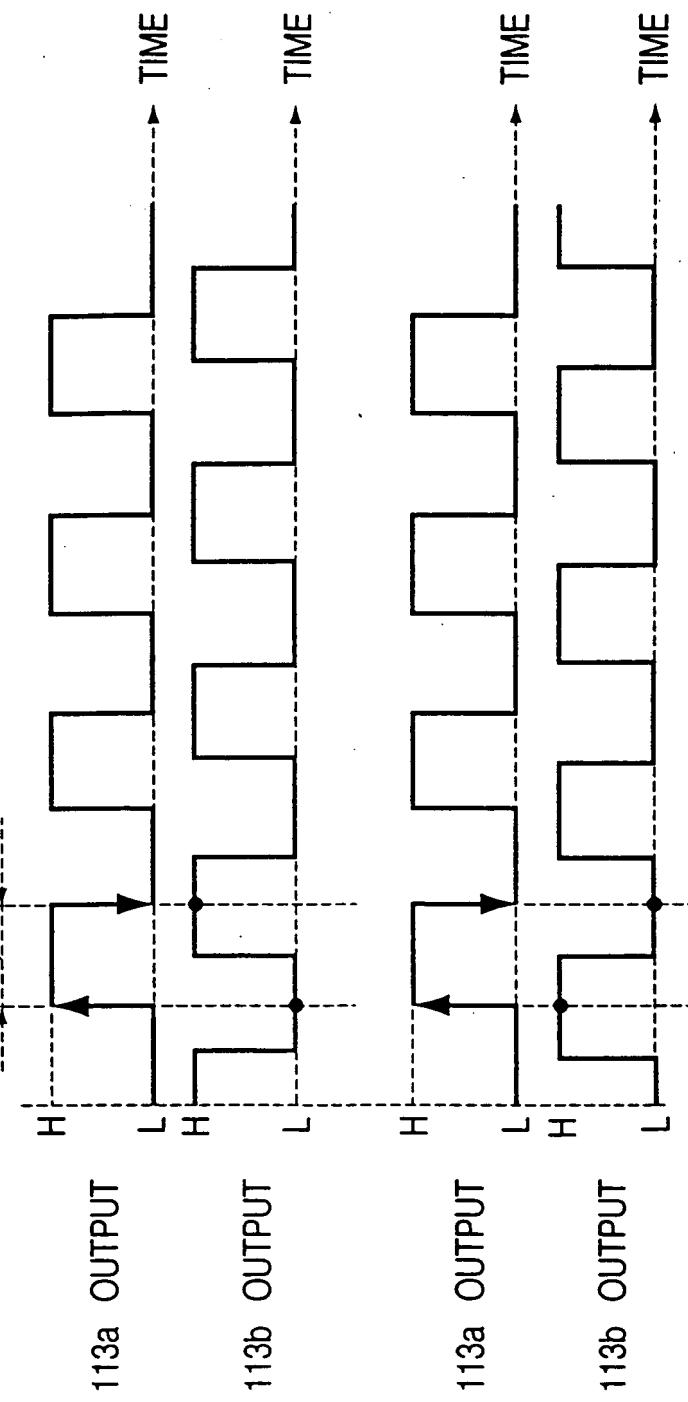


FIG. 14A
Precision & 2T

FIG. 14B
Precision & 2T